

Abstract

Title: Selection criteria for sport shooters

Objectives: The aim of the work will be discovering of the fact, if criteria such as vital capacity of the lungs and apnoea can affect the shooting of air pistol and then mark these criteria as suitable for the selection of talented people.

Methods: In this work was used analysis of documents and other professional publications with the possibility of selecting sports talents in sport shooting. Two laboratory measurements were demonstrated, to determine the vital capacity of the lungs by using a personal spirometer and measurement of apnea. At the same time, the probands height and weight were measured. Subsequently, an experiment was proven, in place of probands fired 15 shots from an air pistol according to ISSF rules.

Results: The results of the work brought the fact that the vital capacity of the lungs together with apnea do not have a significant effect on the shooting itself in the shooting discipline “air rifle 10m” and is therefore not suitable for use in the eventual selection of individuals for sport shooting.

Keywords: selection, sport, shooter, rifle, pistol